



MATERIAL SAFETY DATA SHEET

Date updated: November 05, 2013

Date created: September 08, 2006

1. Product and Company Information

Product Name: 8-hydroxy-2-deoxyguanosine ELISA Assay Kit
8-hydroxy-2'-deoxyguanosine (8-OHdG) Ultrasensitive ELISA

Product Number: HDG39-K01, HDU39-K01

Distributor: Eagle Biosciences

Address: 20A NW Blvd, Suite 112, Nashua, NH 03063 USA

Phone: 617-419-2019

Emergency: 911 (Inside US)

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2. Composition / Information on Ingredient

| Product Name | CAS Number |
|--|--|
| 8-hydroxy-2-deoxyguanosine ELISA Assay Kit | None |
| Kit components: | |
| 1) 8-OHdG microtiter Plate: | Microtiter plates precoated with 8-OHdG. |
| 2) Primary antibody: | Monoclonal antibody specific for 8-OHdG. |
| 3) Primary antibody solution: | Phosphate buffered saline. |
| 4) Secondary antibody: | HRP-conjugated anti mouse antibody. |
| 5) Secondary antibody solution: | Phosphate buffered saline. |
| 6) Chromogen solution: | 3,3',5,5'-tetramethylbenzidine (TMBZ). |
| 7) Diluting solution: | Hydrogen peroxide (<0.05%) dissolved in citrate-phosphate buffered saline. |
| 8) Washing solution: | Phosphate buffered saline. |
| 9) Reaction terminating solution: | 1M phosphoric acid. |
| 10) Standard 8-OHdG solution: | 0.5, 2, 8, 20, 80 and 200 ng/mL of 8-OHdG. |

The hazards identified with these products are those associated with following substances. Please refer to individual material safety data sheets.

Hydrogen peroxide (CAS# 7722-84-1, <0.05%) in "Diluting solution".

3. Hazards Identification

HMIS Rating

Health:

Flammability:

Reactivity:

NFPA Rating

Health:

Flammability:

Reactivity:

4. First Aid Measures

Oral Exposure:

If swallowed, wash out mouth with water provided person is conscious.

Call a physician immediately.

Inhalation Exposure:

If inhaled, remove to fresh air. If not breathing, give artificial respiration.

Call a physician immediately.

Dermal Exposure:

In case of skin exposure, wash out with water for at least 15 minutes.

Remove contaminated clothing. Call a physician immediately.

Eye Exposure:

In case of eye exposure, wash out with water for at least 15 minutes.

Call a physician immediately.

5. Fire Fighting Measures

Explosion Hazards: N/A

Flash Point: N/A

Autoignition Temperature: N/A

Flammability: N/A

Extinguishing Media: Water spray, carbon dioxide or dry chemical powder.

Firefighting: Wear self-contained breathing apparatus and protective clothing to prevent with skin and eyes.

6. Accidental Release Measures

Procedure of Personal Precautions:

Wear respirator, chemical safety goggles, rubber boots and rubber gloves.

Clean-Up Procedure:

Spilled material should be wiped up.

7. Handling and Storage

Store at 2-8 degree C.

8. Exposure Controls

Engineering Controls:

Safety shower and eye bath. Mechanical exhaust required.

Personal Protective Equipment:

Respiratory: respirator.

Hand: rubber gloves.

Eye: goggles:

General Hygiene Measures:

Wash thoroughly after handling. Wash contaminated clothing before re-use.

9. Physical and chemical properties

| | |
|--|---------------------------|
| Appearance (physical state, color, etc) : | No information available. |
| Odor : | No information available. |
| Odor threshold : | No information available. |
| pH : | No information available. |
| Melting point/Freezing point : | No information available. |
| Initial boiling point and boiling range : | No information available. |
| Flash point : | No information available. |
| Evaporation rate : | No information available. |
| Flammability (solid, gas) : | No information available. |
| Upper/lower flammability or explosive limits : | No information available. |
| Vapor pressure : | No information available. |
| Vapor density : | No information available. |
| Relative density : | No information available. |
| Solubility(ies) : | No information available. |
| Partition coefficient: n-octanol/water : | No information available. |
| Autoignition temperature : | No information available. |
| Decomposition temperature : | No information available. |
| Viscosity, kinematic: | No information available. |

10. Stability and Reactivity

Stability: Stable.

Materials to Avoid: N/A.

Hazardous Decomposition Products: Nature of decomposition products is not known.

11. Toxicological Information

Route of Exposure:

- Skin Contact: May cause skin irritation.
Eye Contact: May cause eye irritation.
Inhalation: May cause irritation at mucous membranes and upper respiratory tract.
Ingestion: May be harmful if swallowed.
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12. Ecological Information

N/A

13. Disposal Information

Contact a professional waste disposal service to dispose this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all environmental regulations.

14. Transport Information

This substance is considered to be Non-Hazardous for transport.
This substance is considered to be Non-Hazardous for air transport.

15. Regulatory Information

United States Classification and Label Text:
United States Regulatory Information:
SARA Listed: No.

16. Other Information

This substance is For Research Use Only.
Not for drug, diagnostic, or other uses.